

CLAIMS

1. A method for detecting and/or identifying bacteria of the genus *Staphylococcus* in a biological sample, comprising the following steps:
 - 5 A. the nucleic acid material of the bacteria of the genus *Staphylococcus* is extracted,
 - B. at least one target sequence of the nucleic acid material of the bacteria of the genus *Staphylococcus* is amplified using at least one amplification primer comprising at least 10 nucleotide motifs of SEQ ID No. 1 and/or at least one amplification primer comprising at least
10 10 nucleotide motifs of SEQ ID No. 2, in order to obtain amplicons of the target sequence,
 - C. the presence of bacteria of the genus *Staphylococcus* is determined by detecting said amplicons.
- 15 2. The method for detecting and/or identifying bacteria belonging to the genus *Staphylococcus* as claimed in claim 1, additionally comprising the following step:
 - 20 D. the bacterial species belonging to the genus *Staphylococcus* is identified by using at least one hybridization probe which is able to hybridize with a target sequence which is specific for a bacterial species belonging to the genus *Staphylococcus*.
- 25 3. An amplification primer, characterized in that it comprises at least 15 nucleotide motifs of SEQ ID No. 1.
4. An amplification primer, characterized in that it comprises at least 20 nucleotide motifs of SEQ ID No. 2.
- 30 5. A pair of amplification primers, characterized in that it comprises the primer as defined in claim 3 and the primer as defined in claim 4.

6. The use of at least one primer as defined in claim 3 and/or at least one primer as defined in claim 4 for detecting and/or identifying bacteria of the genus *Staphylococcus*.

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7. A kit for diagnosing bacteria of the genus *Staphylococcus*, comprising at least one primer as defined in claim 3 and/or at least one primer as defined in claim 4.

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8. A hybridization probe, characterized in that it comprises at least 15 nucleotide motifs of SEQ ID No. 1.

9. A hybridization probe, characterized in that it comprises at least 20 nucleotide motifs of SEQ ID No. 2.

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10. A composition for detecting bacteria of the genus *Staphylococcus*, comprising at least one hybridization probe as claimed in claim 8 and/or at least one probe as claimed in claim 9.

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